

Naveen K

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EDUCATION

Nitte Meenakshi Institute of Technology , Yelahanka, Bengaluru
B.E in Computer Science and Engineering

Dec 2020 - Apr 2024

Relevant coursework: Machine Learning, Neural Networks, Big data technologies, AWS, Python, C, C++, SQL, Data structures, Operating system, MongoDB, Web Development, Java.

Sree venkateshwara college , KR Puram, Bengaluru
12th standard

Apr 2018 - Mar 2020
Percentage: 90%

Relevant coursework: C, C++, SQL, Object Oriented Programming, Fundamentals of Problem Solving using Programming.

GBHS, Hoskote, Bengaluru
10th standard

Apr 20 - Mar 2018
Percentage: 88%

PROFESSIONAL EXPERIENCE

Indian Institute of Science (IISc) - Bengaluru, Karnataka
Project Assistant (Computer Vision Engineer)

Aug 2023 - Present

- **Responsibility:** To build a **Computer Vision** and **Bio-Mechanics** –based Model to do a **depth statistical analysis** on Tennis shots that can help a lot Tennis players to train **scientifically**.
- Statistical Analysis on **Forehand, Backhand, Serve, Volley**.
- Helping player with **Posture Correction, Angle Correction, Personalized Yoga Recommendations**.

Indo Skill - Bengaluru, Karnataka
Data Science Intern

Jun 2023 - Oct 2023

- **Responsibility:** Building Machine Learning and Power BI projects for Indo Skill's students, **guiding students**.
- Worked on **20+ Machine Learning** and **Power BI** projects, got experience working with various ML algorithms and Kaggle datasets.
- Other Contributions: Built **Indo Skill's Internship Portal with the help of LLMs**, helped them to get Social Media Visibility.

PROJECTS

Synthetic Photo-realistic Image-dataset generation for training Autonomous Vehicles

Oct 2023 - Nov 2023

- **Objective:** **Dataset Collection is a big challenge** in Machine Learning Arena, In our case collecting data of Indian roads with respect different obstacles and conditions was quite a challenging task.
- Built Personalized Indian Road Image Dataset generating Model using **Stable Diffusion's diffuser** Model.
- The Model can able to **generate photo-realistic Images** of Indian Roads that can be trained to Autonomous Vehicles.

A computer vision and Bio-Mechanics Based Tennis Shots Analysis

Aug 2023 - Present

- **Objective:** There is no much depth Scientific Analysis on Tennis Shots and Training Methods.
- Built Tennis Shot Classifier using **MOVENET and RNN**.
- Determination of **Point of Contact (POC)** between Tennis ball and Racket using **Object Detection(Yolo)** and **2D analysis**.
- Helping player with **Posture Correction, Angle Correction, Personalized Yoga Recommendations**.

SKILLS

Technical : Machine Learning, Computer Vision, Generative AI, Prompt Engineering, Data Science, SQL, Python, NLP, Pandas, Numpy, Octave, BeautifulSoup, R, Hadoop, scala, MongoDB, Flask, AWS, Applied statistics, Applied Maths, scikit-learn, Keras, Power BI.

Functional : ML/DL, ML Operations, Business Intelligence, Agile Development.

ACHIEVEMENTS

- Hosting a **PODCAST – ‘Future of AI with Founders’**, So far interviewed **Chris Prucha (Co-founder of Notion)**, **Ajay Yadav (Co-founder of Simplified AI)**, **Prithvi Yendapalley (Co-founder of Eduphoria AI)**.
- **Top 10 team of {Minus One} ULTIMATE AI HACKATHON** organized by **MINUS ZERO** (India's First Autonomous Vehicles)
- **Author of ‘Prompts at Fingertips’** – An ultimate guide for learning PROMPT ENGINEERING.
- **Finalist of Venture Tank – Nmit** (Pitched my business idea to Tiger Analytics' President)

VOLUNTEERING

- Created Cyber Security Awareness using my YouTube channel [**REALITY DOT COM**], **70+ videos on various cyber attacks and precautionary steps.**

PUBLICATIONS

- National-Level Conference Paper titled **‘Dynamic Analysis of Forehand Shot Body Posture During The Tennis Game Using RGB Camera’**

CERTIFICATIONS

[Internshala's Complete Machine Learning Training](#)
[AWS Academy Cloud Foundation Certification](#)
[IBM certified Python for Data Science and AI Development](#)
[IBM certified Database and SQL](#)